

# Work Order ID 70568

Monday, June 13, 2011 10:21:49 AM



Page 1

Item ID: D350-607-541

Accept



Setup Start



Revision ID:

Stop



Item Name: Heli-Utility-Basket

Start Date: 6/10/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 6/22/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

*[Signature]*

Date: 11-06-13

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
<b>Draw Nbr</b>	<b>Revision Nbr</b>								
D350-607-3	A								
100		0.00							
	DOCUMENT CONTROL								
DC	<b>Memo</b>	0.00							
Document Control	Photocopy bluefile & type labels per PPPD350-607-541 CHG002								
110	Pick Kit	0.00							
Packaging	<b>Memo</b>	0.00							
Packaging	****Mask label plate to size of D4086 label, use scotchbrite red pad to lightly sand area for label, apply label****								
115	QC5- Inspect part completeness to step on W/O	0.00							
QC	<b>Memo</b>	0.00							
Quality Control	***Inspect label on lid***								

*W 11 07 05 (1)*  
*11-07-04*

*11/7/5*

*W 11 07 05 (1)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 70568**

Monday, June 13, 2011 10:21:49 AM



Page 2

Item ID: D350-607-541

Accept



Setup Start



Revision ID:

Stop



Item Name: Heli-Utility-Basket

Start Date: 6/10/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 6/22/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC4- 100% Inspect kits for completeness	0.00							
QC	Memo	0.00							
Quality Control									
130	<del>Pick Kit</del>	0.00							
Packaging	Memo	0.00							
Packaging	Package as per PPPD350-607-541								
140	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

Leva

11 07 05 (7)

11/7/5 (4)

11/7/5

MF 11-07-05

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Monday, June 13, 2011 10:21:55 AM

Page 1

Work Order ID: 70568

Parent Item: D350-607-541

Parent Item Name: Heli-Utility-Basket



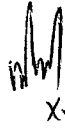





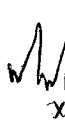



Start Date: 6/10/2011


Required Date: 6/22/2011


Start Qty: 1.00


Required Qty: 1.00


Comments: IPP REV:A 10-08-19 AS PER REV.A DD VERF BY:EC IPP Rev:B  
11.02.09 add to install label DD verf by:EC


Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
 D350-607-511  Quick Release Basket Mounting Installation		Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FG032				1					
					70085			1					
 D2690-6  Lanyard Assembly		Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST020				1					
					66873			1					
 D3912-041  Eyebolt Receiver Assembly		Manufactured	No			110	Each	4.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				st507				4					
					69000			4					
 D4030-041  Long Basket Assembly (350)		Manufactured	No			110	Each	0.0000	1	1			
 D4085-3  Placard, Instructions		Manufactured	No			110	Each	4.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST122				4					
					67649			4					

 70567 1/PC

 370920 SP

 1

 70568

 11/7/11

1

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Monday, June 13, 2011 10:21:55 AM

Work Order ID: 70568

Parent Item: D350-607-541

Parent Item Name: Heli-Utility-Basket

Start Date: 6/10/2011

Required Date: 6/22/2011

Start Qty: 1.00

Required Qty: 1.00

D4151-041  
Basket Fwd Hardpoint Assembly, Lower

Manufactured No 110 Each 4.0000

Location Loc Qty Loc Code

ST134 4  
68460 4

D4151-043  
Basket Fwd Hardpoint Assembly, Upper

Manufactured No 110 Each 0.0000

D4150-041  
Attachment Arm Assembly

Manufactured No 110 Each 2.0000

Location Loc Qty Loc Code

ST134 2  
69630 2

AN4-13A  
Bolt

Purchased No 110 Each 306.0000

Location Loc Qty Loc Code

ST357 306  
117962 306

AN4C15  
BOLT

Purchased No 110 Each 15.0000

Location Loc Qty Loc Code

ST358 15  
117764 15

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

Monday, June 13, 2011 10:21:56 AM

Page 3

Work Order ID: 70568

Parent Item: D350-607-541

Parent Item Name: Heli-Utility-Basket

Start Date: 6/10/2011

Required Date: 6/22/2011

Start Qty: 1.00

Required Qty: 1.00

AN310C4

Purchased

No

110

Each

53.0000



Nut

Location

Loc Qty

Loc Code

ST324

53

116741

4

117395

49

110

Each

22.0000

MS17984-C413

Purchased

No



PIN, QUICK RELEASE

Location

Loc Qty

Loc Code

ST315

22

114340

2

117557

20

110

Each

5,203.000

MS21042L4

Purchased

No



Nut

Location

Loc Qty

Loc Code

ST300

5203

117441

2903

117601

800

117885

1500

110

Each

472.0000

MS24665-151

Purchased

No



Cotter Pin

Location

Loc Qty

Loc Code

ST309

472

17566

472

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Page 4

Monday, June 13, 2011 10:21:56 AM

Work Order ID: 70568

Parent Item: D350-607-541

Parent Item Name: Heli-Utility-Basket

Start Date: 6/10/2011

Required Date: 6/22/2011

Start Qty: 1.00

Required Qty: 1.00

NAS1515H4L

Purchased

No

110

Each

186.0000

2



WASHER

Location

Loc Qty

Loc Code

FG

40

103691

40

ST277

146

117363

146

NAS1149F0432P

Purchased

No

110

Each

278.0000

12



Washer

Location

Loc Qty

Loc Code

ST275

278

117291

278

NAS1149C0463R

Purchased

No

110

Each

551.0000

3



Washer

Location

Loc Qty

Loc Code

FP-B

9

115358

9

ST297

542

117735

542

Monday, June 13, 2011 10:21:56 AM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# REFERENCE ONLY

DART AEROSPACE LTD.

D350-607-3  
Page 17 of 19

## 4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-607-541 (Standard Basket)	80.7 lb 36.6 kg	± 49.1 in ± 1.25 m	± 3962 in-lb ± 45.8 m-kg	135 in 3.43 m	10895 in-lb 125.5 m-kg
D350-607-543 (Lightweight Basket)	65.7 lb 29.8 kg	± 49.1 in ± 1.25 m	± 3226 in-lb ± 37.3 m-kg	135 in 3.43 m	8870 in-lb 102.2 m-kg
D350-607-545 (Standard Basket)	58.7 lb 26.2 kg	± 49.1 in ± 1.25m	± 2882 in-lb ± 32.8 m-kg	135 in 3.43 m	7925 in-lb 89.9 m-kg
D350-607-547 (Lightweight Basket)	47.7 lb 21.6 kg	± 49.1 in ± 1.25 m	± 2342 in-lb ± 27.0 m-kg	135 in 3.43 m	6440 in-lb 74.1 m-kg
D350-607-511 (Quick Release Basket Mounting Kit)	7.2 lb 3.3 kg	± 36.9 in ± 0.94 m	± 266 in-lb ± 3.1 m-kg	135 in 3.43 m	972 in-lb 11.3 m-kg

## 5.0 PARTS LIST

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET
	X					D350-607-543	HELI-UTILITY-BASKET
		X				D350-607-545	HELI-UTILITY-BASKET
			X			D350-607-547	HELI-UTILITY-BASKET
				X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-501	CONVERSION KIT
						D2690-6	LANYARD
				4	4	D3910-3	X-TUBE LUG
						D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
						D4030-041	LONG BASKET ASSY
						D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
						D4032-041	SHORT BASKET ASSY
						D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
					1	D4085-3	PLACARD-INSTRUCTIONS
					1	D4086-200	PLACARD, MAX LOAD
					1	D4086-215	PLACARD, MAX LOAD
					1	D4086-220	PLACARD, MAX LOAD
					1	D4086-232	PLACARD, MAX LOAD
				1	1	D4148-041	FWD X-TUBE LUG ASSY
				1	1	D4149-041	AFT X-TUBE LUG ASSY
					1	D4150-041	ATTACHMENT ARM ASSY
					1	D4151-041	BASKET FWD HARDPOINT ASSY (LOWER)
					1	D4151-043	BASKET FWD HARDPOINT ASSY (UPPER)
					6	AN4-13A	BOLT
				16	16	AN4-14A	BOLT
					1	AN4C15	BOLT
					1	AN310C4	CASTELLATED NUT
					1	MS17984-C413	QUICK RELEASE PIN
				16	22	MS21042L4	NUT (OR MS21042-4)
					1	MS24665-151	COTTER PIN
					2	NAS1515H4L	WASHER
				32	44	NAS1149F0432P	WASHER
					3	NAS1149C0463R	WASHER

• COPYRIGHT © 2010 BY DART AEROSPACE LTD •  
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: A  
Date: 10.06.28